

REMARKS

With the addition of claims 21-30, claims 11-30 are now pending in the above-referenced application and are submitted for the Examiner's reconsideration.

Claims 11-20 stand rejected under 35 U.S.C. § 103(a) as being obvious over British Published Patent Application No. 2, 207, 556 to Dicken et al. ("Dicken") in view of the publication entitled "Broadband coplanar waveguide-coplanar strip-fed spiral antenna" to Li et al. ("Li"). In combining these references, the Examiner concedes that Dicken does not show the recited coplanar conductor. In order to overcome this deficiency in Dicken, the Examiner relies on Li. Nevertheless, although Li shows a coplanar strip that is connected to a spiral antenna ("the CPS side feeds the spiral antenna", Li at page 4), Li does not show the recited limitation of respective inner spiral arm ends of each of the spiral arms being connected to the coplanar conductor. Instead, Li teaches connecting the CPS line to a single point on the spiral antenna, not to inner arm ends of all the spiral antenna arms. See Li at page 4 ("...to provide impedance matching between the CPS feed line and the spiral antenna feed point." (emphasis added)). For at least this reason, Applicants submit that claims 11 and 20 are patentable over the combination of the Dicken and Li references.

As for claims 12-19, Applicants submit that these claims are patentable for at least the same reason given in support of the patentability of claims 11 and 20.

Applicants have added claims 21-30. Claims 21-23 relate to the tapering of the coplanar conductor. Support for these claims is found at least in page 4, lines 7-10, of the specification. Claims 24-30 relate to a three-way gate that cooperates with the coplanar conductor, and the particular features thereof. Support for these claims is found throughout at least page 8 of the specification. Applicants submit that none of the references relied on by the Examiner, either alone or in combination with each other, teaches or suggests the invention of claims 21-30.

It is respectfully submitted that the subject matter of the present application is new, non-obvious, and useful. Prompt consideration and allowance of the application are respectfully requested.

Respectfully submitted,

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